

National Fleet, USCG Expeditionary Warfare, and Project Deepwater

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National Fleet: A Shared Commitment to Meet 21st Century Operational Requirements

“The real revolution will be in *thinking*, not things... A revolution of shared purpose, operational integration, and common effort.”

Admiral Jay Johnson
Chief of Naval Operations, 1997

“We need to think about coordinating and integrating our force planning activities so that we can field non-redundant capabilities that are affordable, joint, interoperable, and multi-mission.”

Vice Admiral James Loy
Chief of Staff, U.S. Coast Guard, 1997

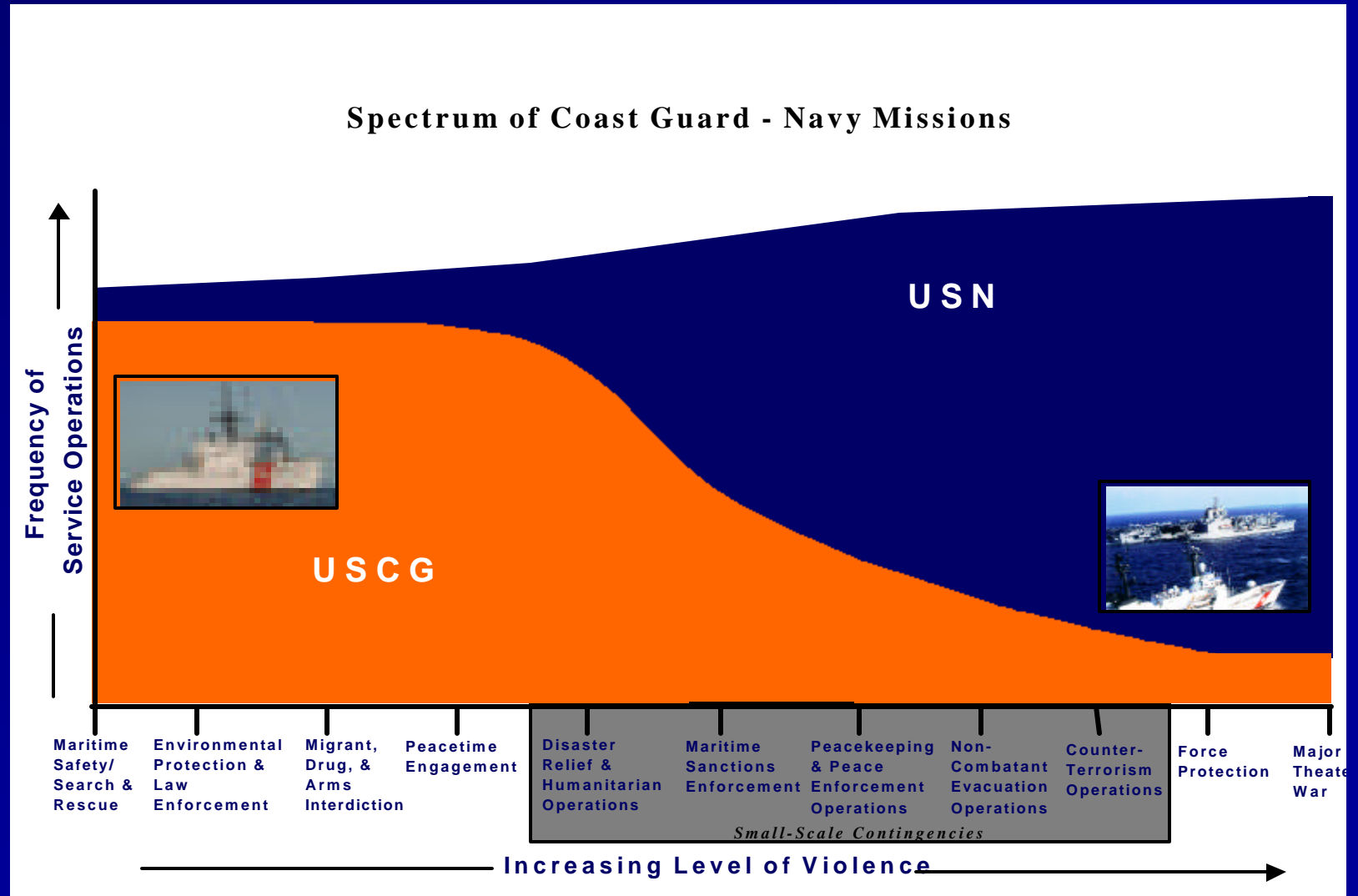
National Fleet: The Concept

- USN and USCG Shared Purpose and Common Effort
- Combined Force Needed to Establish Numerical Sufficiency Required for Effective Global Operations
- Coordinated and Integrated Planning and Operations

America's Maritime Challenges



National Fleet: Shaped for Joint & Combined Operations



National Fleet: Two Centuries of Successful Cooperation at Sea

- “Joint” Operations in Every Major War Since 1790
- USCG Complements USN Forward Presence and Crisis Response:
 - Specialized skills
 - Acceptance



Joint Operations and Challenges

- 1995 DoT-DoD MoA Outlining USCG National Defense Missions:
 - Maritime Intercept Operations
 - Deployed Port Operations, Security and Defense
 - Environmental Response Operations
 - Peacetime Military Engagement
- Critical Shortcomings Impacting Cooperation:
 - Incompatible Equipment
 - Complex Logistics Support
 - Aging/Substandard USCG Platforms and Systems

National Fleet: Key Attributes

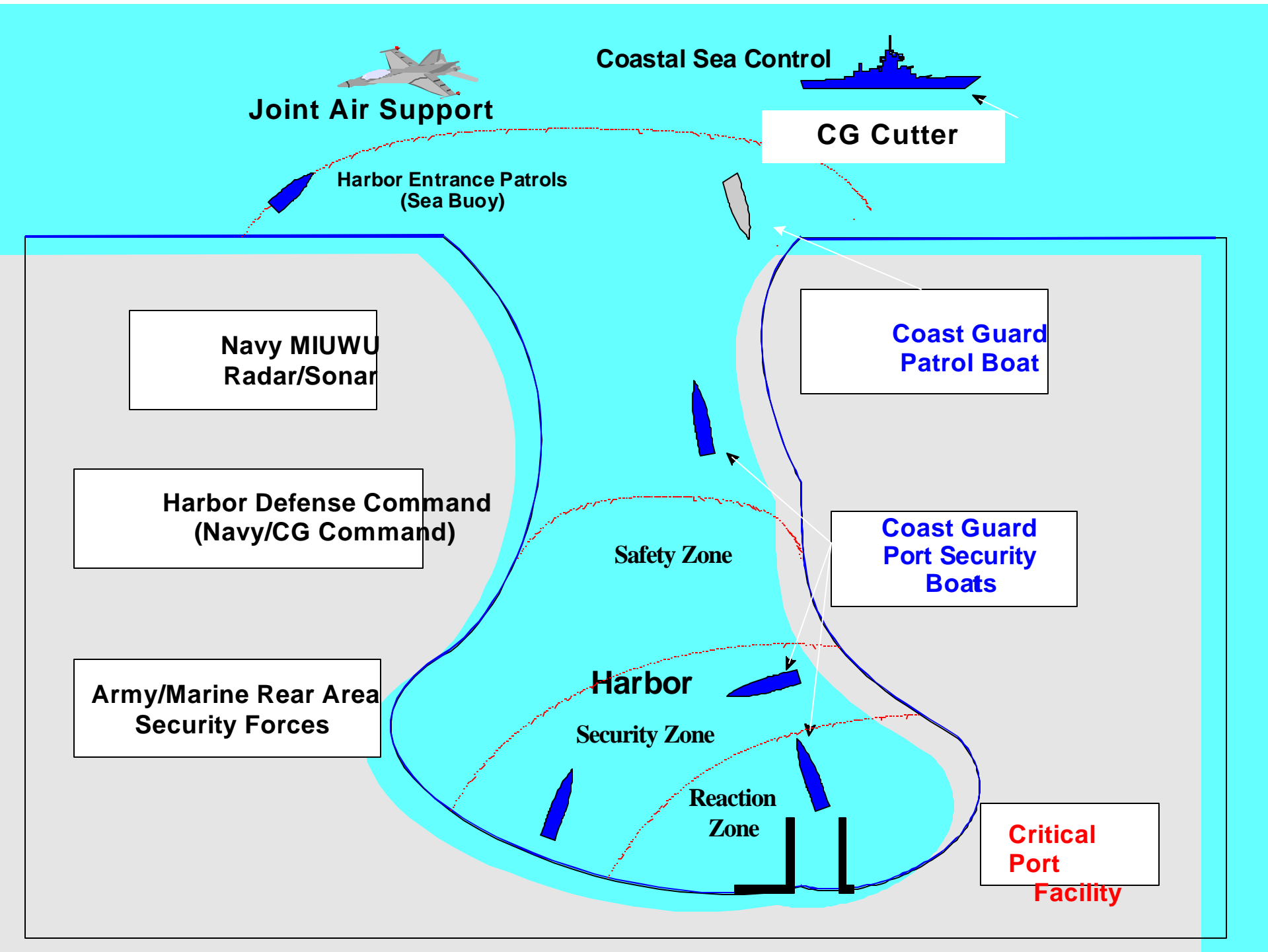
- Multi-mission Surface Combatants and Maritime Security Cutters:
 - Navy: Highly Capable Warships for the Full Spectrum of Naval Operations from Peacetime Engagement to Major Theater War
 - Coast Guard: Major Cutters for USCG Roles and Missions, plus Peacetime Engagement through MTW
- Designed Around Common Equipment and Systems
- Synchronized Planning, Procurement, Operations, and Training to Meet the Entire Spectrum of 21st Century Operational Requirements

Coast Guard Expeditionary Forces: Support To CinCs

- 378' WHEC With Embarked Aircraft
- 110' WPB Squadrons
- Visit, Board, Search & Seizure Teams
- Navy Harbor Defense Command Units
- Port Security Units
- Mobile Support Units
- 370 Cutter Days Forward Deployed Annually

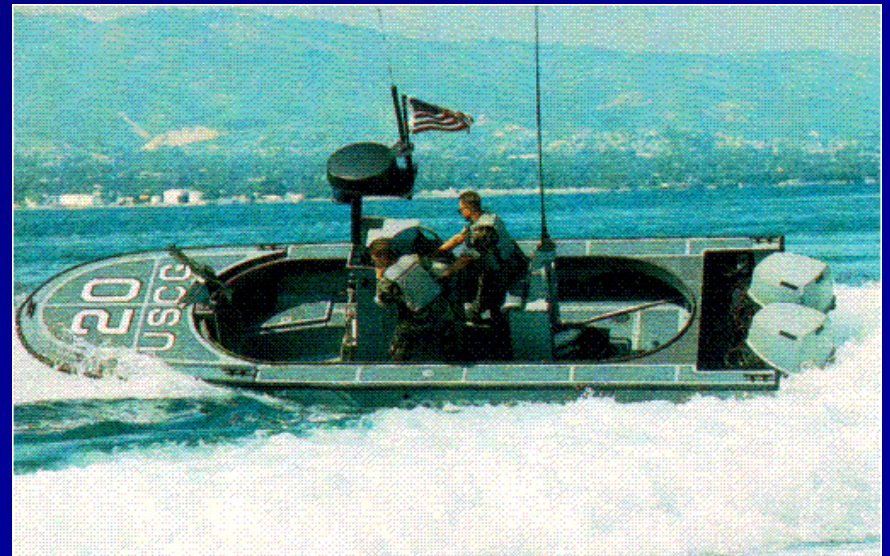
Deployed Port Operations, Security and Defense

- Ensure port and harbor areas are maintained free of threats to support Strategic Mobility & Sustainment operations:
 - Hostile threats
 - Terrorist actions
 - Safety deficiencies
- Expeditionary capability for coastal sea control and harbor defense in foreign areas



Port Security Unit

- CinCs OPLANS/TPFDD
- Antiterrorist force protection
- Seaports of embarkation/debarkation
- 6 armed smallboats/117 personnel
- Radar, night vision
secure comms
- PSRC needed for
full deployment



Peacetime Military Engagement

- Coast Guard interacts with many host nation agencies
- Good mission match with host nation forces
- Coast Guard presence desired



The USCG Part of National Fleet: An Integrated Deepwater System



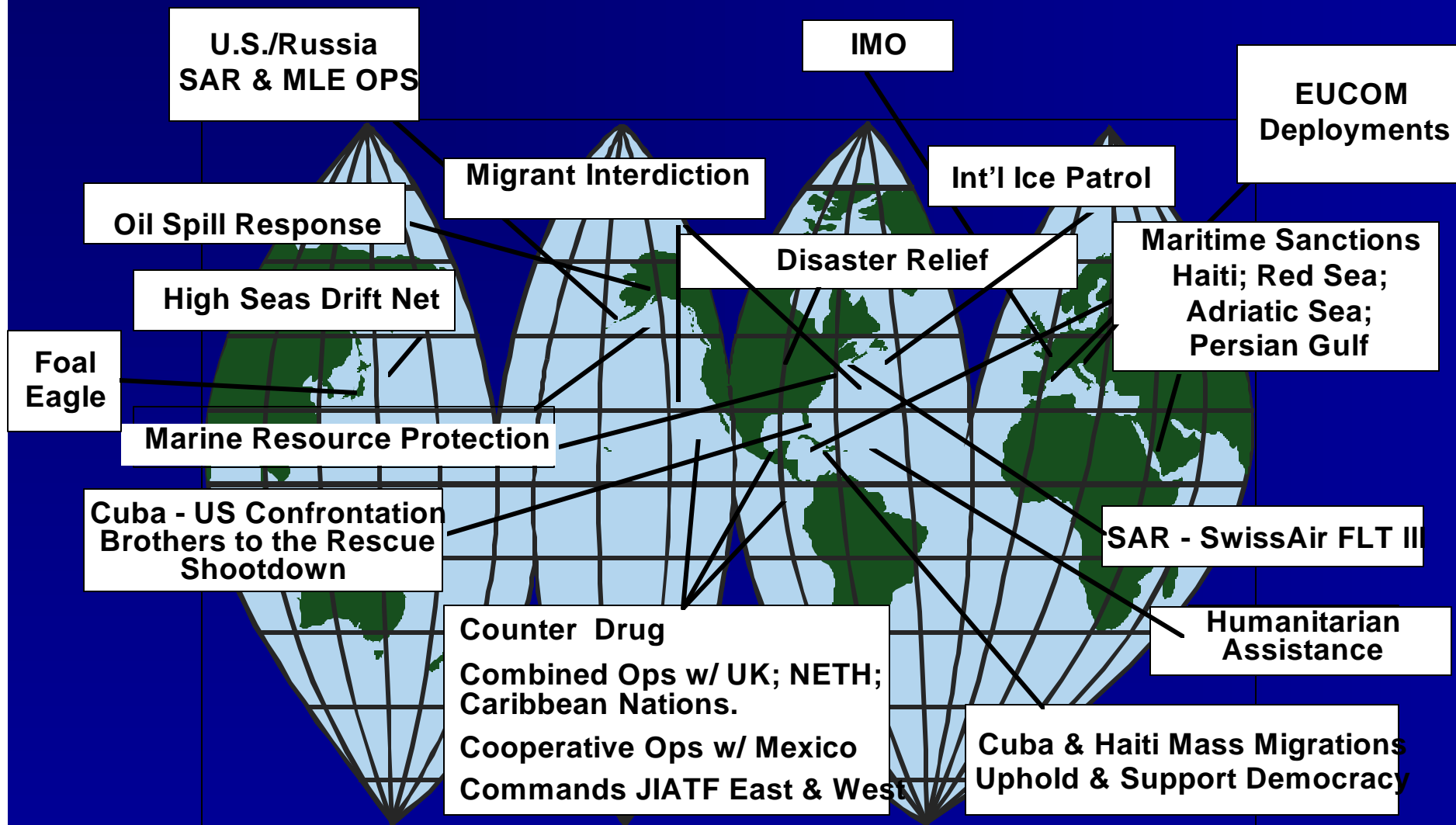
What is Deepwater ?

**Deepwater Is: A Mission
A Project
And Most Importantly...**

**We must “...Be Aggressive and Bold...The
Deepwater Project... It is our Future”**

**Admiral James Loy
Commandant
U.S. Coast Guard**

USCG Deepwater Operations



Problem: Aging Deepwater Assets



“Technologically Challenged”

The average age of our Deepwater cutters is 25... The Coast Guard fleet of High and Medium Endurance Cutters is older than 39 of the 41 (naval) fleets worldwide...



Deepwater Acquisition Project: Key Force Planning Factors

- Need for an *integrated* force structure analysis
- Emerging “Network-Centric” concept of operations
- Total ownership affordability
- Multi-mission & operational flexibility
- “Tailored” for multi-agency operations
- Expeditionary mind-set
- Shaped for joint & combined operations...
 - National Fleet
 - Common Aviation Vision
 - A World “System-of-Systems”

Realm of the Possible -Unlimited



Deepwater - Acquisition Strategy

- The Coast Guard is teaming with industry to provide the best Integrated Deepwater System at the lowest total ownership cost.



- The Coast Guard provides mission based scenarios to industry. Using the scenarios and an open, established framework of communication, industry will develop IDS concepts.

Deepwater Industry Teams

Avondale Industries, Inc.

Boeing-McDonnell Douglas
Corporation

John J. McMullen & Associates, Inc.

DAI, Inc.

Raytheon Systems Company

Science Applications International Corporation

Marinette Marine Corporation

Sikorsky Aircraft Corporation

Soza & Company, Ltd.

Bath Iron Works

CTM Automated Systems

AMSEC

Fuentez Systems Concepts, Inc.

Gibbs & Cox, Inc.

Interactive Television Corporation

Lockheed Martin Government Engineering Systems

Litton Ingalls Shipbuilding

Litton PRC, M. Rosenblatt & Son,
Litton Sperry Marine, Inc., Litton
Data Systems

Bell Helicopter Textron

Lockheed Martin Information Systems

Lockheed Martin Ocean Radar and
Sensor Systems

Sanders, a Lockheed Martin Company

Lockheed Martin Aeronautical Systems

Lockheed Martin Federal Systems -
Owego

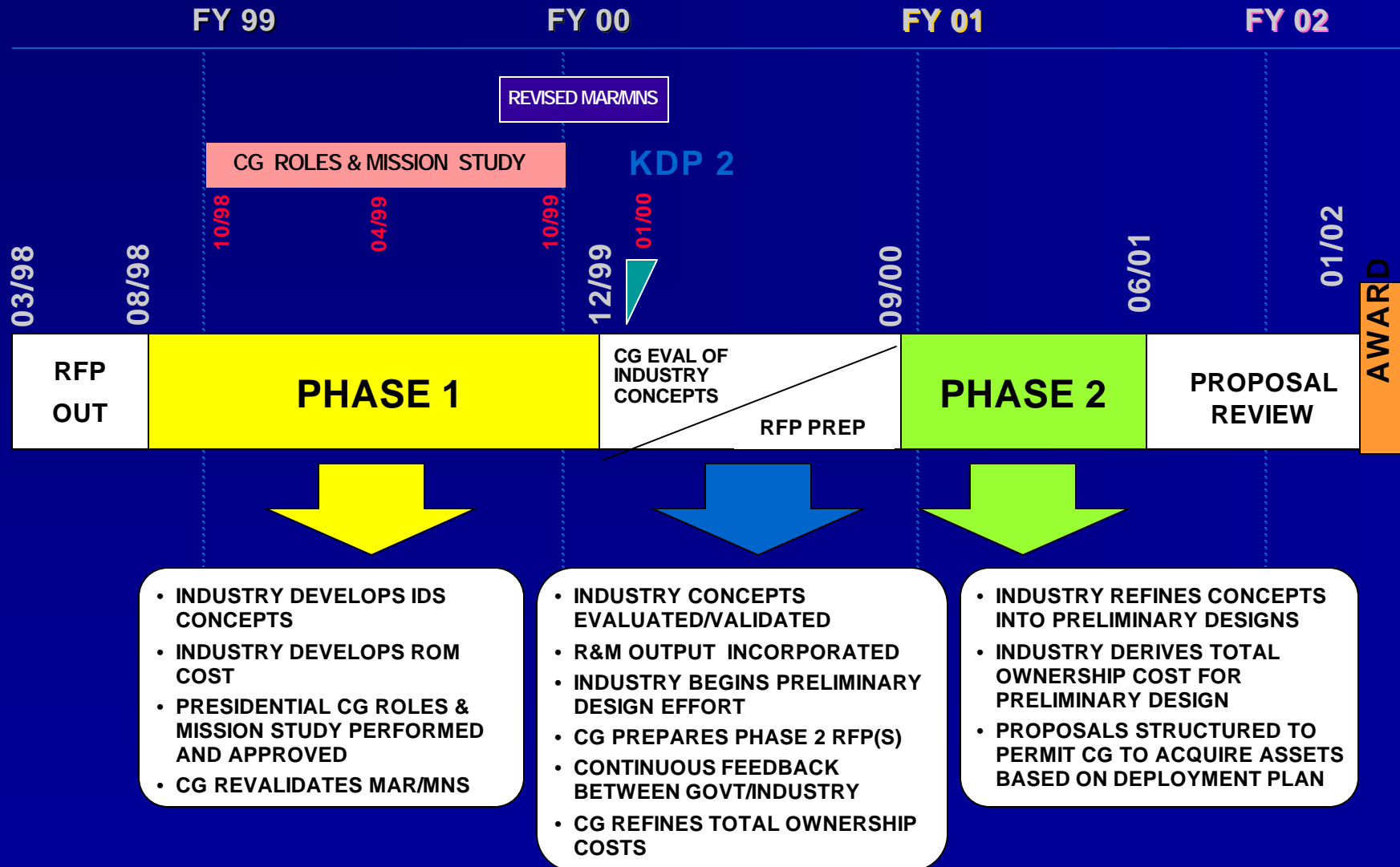
Lockheed Martin Management and Data
Systems

LOGICON

L3 Communications, Inc.

PROSOFT

Deepwater Timeline



National Defense Industrial Association Expeditionary Warfare Conference '98



“Questions?”

Naval Operational Capabilities for Coast Guard Cutters

- Good Speed and Long Endurance
- Kill Patrol Craft beyond Intermediate Caliber Gunfire Range
- Visual, Radar, Thermal Imaging & ESM
- Track Aircraft and Exchange Track Data
- IT-21 Type Communications
- Flight Deck and Support for SH-60R & Beyond
- Hard and Soft Kill against Cruise Missiles